

BURGLAR ALARM SYSTEM HAVING REDUCED WIRING

ABSTRACT

5 Normal hard-wired domestic burglar alarms have cables with  
six conductors extending between the alarm control panel  
and each event sensor (such as a PIR). Two of the  
conductors might provide current to a motion detector, two  
of the conductors might provide a circuit for a tamper  
10 switch, and two of the conductors might provide a circuit  
for a tamper switch, and two of the conductors might  
provide an indication of the motion detected by the motion  
detector. Wiring costs are reduced in the present  
invention by providing only two conductors which work to  
15 provide all of the functions of a six-conductor cable. To  
attach the two-conductor cable to a six-point terminal on  
the control panel, a special signal accessor and separator  
circuit is provided with six contacts to attach to the  
control panel terminals and two terminals for connecting  
20 to the conductor cable.